```
 s data and conversion

        451804 DATA
        224342 CONVERSION
L12      98823 DATA AND CONVERSION

=> s l12 and sub-imag?

        859870 SUB
        312269 IMAG?
           571 SUB-IMAG?
                 (SUB(W)IMAG?)
L13        180 L12 AND SUB-IMAG?

=> s l13 and divi?

        648527 DIVI?
L14        140 L13 AND DIVI?

=> s l14 and link

        142084 LINK
L15         46 L14 AND LINK

=> s l15 and display

        216246 DISPLAY
L16         41 L15 AND DISPLAY

=> s l16 and design

        622792 DESIGN
L17         27 L16 AND DESIGN

=> s l17 and info?

        368937 INFO?
L18         27 L17 AND INFO?

=> s l18 and whether

        418739 WHETHER
L19         25 L18 AND WHETHER

=> s l19 and image

        250993 IMAGE
L20         25 L19 AND IMAGE

=> s document

L21      49696 DOCUMENT

=> s l20 and document

         49696 DOCUMENT
L22         14 L20 AND DOCUMENT

=> s l22 and dest?
```

```
        192707 DEST?
L23           9 L22 AND DEST?

=> s l23 and HTML

            106 HTML
L24           0 L23 AND HTML

=> s l23 and hyper?

TERM 'HYPER?' EXCEEDED TRUNCATION LIMITS - SEARCH ENDED

=> s l23 and hyper-text

           2240 HYPER
          41755 TEXT
             33 HYPER-TEXT
                  (HYPER(W)TEXT)
L25           0 L23 AND HYPER-TEXT

=> s l23 and video

          85786 VIDEO
L26           9 L23 AND VIDEO

=> s l26 and frame

         382401 FRAME
L27           9 L26 AND FRAME

=> s l27 and identifier

          13257 IDENTIFIER
L28           9 L27 AND IDENTIFIER

=> s l28 and categ?

          49621 CATEG?
L29           9 L28 AND CATEG?

=> d 1-9
```

1. 5,603,012, Feb. 11, 1997, Start code detector; Martin W. Sotheran, 395/500; 370/450 [IMAGE AVAILABLE]

2. 5,515,296, May 7, 1996, Scan path for encoding and decoding two-dimensional signals; Rohit Agarwal, 395/200.34 [IMAGE AVAILABLE]

3. 5,511,003, Apr. 23, 1996, Encoding and decoding **video** signals using spatial filtering; Rohit Agarwal, 395/200.34; 348/396 [IMAGE AVAILABLE]

4. 5,508,942, Apr. 16, 1996, Intra/inter decision rules for encoding and decoding **video** signals; Rohit Agarwal, 395/200.34; 348/396 [IMAGE AVAILABLE]

5. 5,506,954, Apr. 9, 1996, PC-based conferencing system; Taymoor Arshi, et al., 345/501; 348/15; 370/260; 379/202; 395/200.34 [IMAGE AVAILABLE]

6. 5,490,247, Feb. 6, 1996, **Video** subsystem for computer-based conferencing system; Peter Tung, et al., 345/501; 395/200.34 [IMAGE AVAILABLE]

```
 s data

L1      495058 DATA

=> s data (P) conversion

        495058 DATA
        239444 CONVERSION
L2       41788 DATA (P) CONVERSION

=> s l2 and link and document and transmiss?

        152807 LINK
         56131 DOCUMENT
        347363 TRANSMISS?
L3         900 L2 AND LINK AND DOCUMENT AND TRANSMISS?

=> s l3 and design

        667888 DESIGN
L4         554 L3 AND DESIGN

=> s l4 and video and HTML

         95728 VIDEO
           408 HTML
L5          12 L4 AND VIDEO AND HTML

=> d 1-12
```

1. 5,867,495, Feb. 2, 1999, System, method and article of manufacture for communications utilizing calling, plans in a hybrid network; Isaac K. Elliott, et al., 370/352, 389, 392; 379/90.01, 93.07, 114, 144 [IMAGE AVAILABLE]

2. 5,867,494, Feb. 2, 1999, System, method and article of manufacture with integrated **video** conferencing billing in a communication system architecture; Sridhar Krishnaswamy, et al., 370/352, 389, 392; 379/90.01, 93.07, 114 [IMAGE AVAILABLE]

3. 5,862,325, Jan. 19, 1999, Computer-based communication system and method using metadata defining a control structure; Drummond Shattuck Reed, et al., 395/200.31, 200.42, 200.58, 200.72, 200.74; 707/10, 203, 204 [IMAGE AVAILABLE]

4. 5,862,260, Jan. 19, 1999, Methods for surveying dissemination of proprietary empirical data; Geoffrey B. Rhoads, 382/232 [IMAGE AVAILABLE]

5. 5,841,978, Nov. 24, 1998, Network linking method using steganographically embedded data objects; Geoffrey B. Rhoads, 395/200.47; 345/335; 380/4, 28; 395/187.01 [IMAGE AVAILABLE]

6. 5,819,092, Oct. 6, 1998, Online service development tool with fee setting capabilities; Charles H. Ferguson, et al., 395/701; 705/39 [IMAGE AVAILABLE]

7. 5,764,241, Jun. 9, 1998, Method and system for modeling and presenting integrated media with a declarative modeling language for

representing reactive behavior; Conal M. Elliott, et al., 345/473, 433; 707/501 [IMAGE AVAILABLE]

8. 5,742,845, Apr. 21, 1998, System for extending present open network communication protocols to communicate with non-standard I/O devices directly coupled to an open network; Richard Hiers Wagner, 395/831, 500; 705/26 [IMAGE AVAILABLE]

9. 5,732,216, Mar. 24, 1998, Audio message exchange system; James Logan, et al., 395/200.33; 348/7, 13 [IMAGE AVAILABLE]

10. 5,727,950, Mar. 17, 1998, Agent based instruction system and method; Donald A. Cook, deceased, et al., 434/350; 345/329, 336, 357, 978 [IMAGE AVAILABLE]

11. 5,721,827, Feb. 24, 1998, System for electrically distributing personalized information; James Logan, et al., 395/200.47; 348/13 [IMAGE AVAILABLE]

12. 5,706,434, Jan. 6, 1998, Integrated request-response system and method generating responses to request objects formatted according to various communication protocols; Gary Kremen, et al., 395/200.48, 200.36, 200.6, 200.76, 285, 500; 707/10 [IMAGE AVAILABLE]

```
=> d hsi

'HSI' IS NOT A VALID FORMAT FOR FILE 'USPAT'
ENTER DISPLAY FORMAT (CIT):end


=> d his


     (FILE 'USPAT' ENTERED AT 15:03:43 ON 12 FEB 1999)
L1        495058 S DATA
L2         41788 S DATA (P) CONVERSION
L3           900 S L2 AND LINK AND DOCUMENT AND TRANSMISS?
L4           554 S L3 AND DESIGN
L5            12 S L4 AND VIDEO AND HTML

=> s l5 and image and information

          272637 IMAGE
          390541 INFORMATION
L6            11 L5 AND IMAGE AND INFORMATION

=> s l6 and sub (P) image

          913882 SUB
          272637 IMAGE
           50329 SUB (P) IMAGE
L7             5 L6 AND SUB (P) IMAGE

=>

=> d 1-5


1.  5,862,260, Jan. 19, 1999, Methods for surveying dissemination of
proprietary empirical data; Geoffrey B. Rhoads, 382/232 [IMAGE AVAILABLE]

2.  5,841,978, Nov. 24, 1998, Network linking method using
steganographically embedded data objects; Geoffrey B. Rhoads, 395/200.47;
345/335; 380/4, 28; 395/187.01 [IMAGE AVAILABLE]
```

3. 5,732,216, Mar. 24, 1998, Audio message exchange system; James Logan, et al., 395/200.33; 348 13 [IMAGE AVAILABLE]

4. 5,721,827, Feb. 24, 1998, System for electrically distributing personalized **information**; James Logan, et al., 395/200.47; 348/13 [IMAGE AVAILABLE]

5. 5,706,434, Jan. 6, 1998, Integrated request-response system and method generating responses to request objects formatted according to various communication protocols; Gary Kremen, et al., 395/200.48, 200.36, 200.6, 200.76, 285, 500; 707/10 [IMAGE AVAILABLE]

=> d ab 1-5

US PAT NO: 5,862,260 [IMAGE AVAILABLE] L7: 1 of 5

ABSTRACT:
An automated system checks networked computers, such as computers on the internet, for watermarked audio, **video**, or **image** data. A report listing the location of such audio, **video** or **image** data is generated, and provided to the proprietor(s) thereof identified by the watermark **information**.

US PAT NO: 5,841,978 [IMAGE AVAILABLE] L7: 2 of 5

ABSTRACT:
A given data object can effectively contain both a graphical representation to a network user and embedded **information**, such as the URL address of another network node, thereby to permit the object itself to serve as an automated hot **link**. The underlying development tools and web site browsers create and identify such an object for use in a manner similar to a hot **link**, as provided on the World Wide Web.

US PAT NO: 5,732,216 [IMAGE AVAILABLE] L7: 3 of 5

ABSTRACT:
An audio program and message distribution system in which a host system organizes and transmits program segments to client subscriber locations. The hose organizes the program segments by subject matter and creates scheduled programming in accordance with preferences associated with each subscriber. Program segments are associated with descriptive subject matter segments, and the subject matter segments may be used to generate both text and audio cataloging presentations to enable the user to more easily identify and select desirable programming. A playback unit at the subscriber location reproduces the program segments received from the host and includes mechanisms for interactively navigating among the program segments. A usage log is compiled to record the subscriber's use of the provided program materials, to return data to the host for billing, to adaptively modify the subscriber's preferences based on actual usage, and to send subscriber-generated comments and requests to the host for processing. Voice input and control mechanisms included in the player allow the user to perform hands-free navigation of the program materials and to dictate comments and messages which are returned to the host for retransmission to other subscribers.

US PAT NO: 5,721,827 [IMAGE AVAILABLE] L7: 4 of 5

ABSTRACT:
An audio program and message distribution system in which a host system organizes and transmits program segments to client subscriber locations. The host organizes the program segments by subject matter and creates scheduled programming in accordance with preferences associated with each subscriber. Program segments are associated with descriptive subject matter segments, and the subject matter segments may be used to generate

both text and audio cat[illegible]oging presentations to enable t[illegible] user to more easily identify and se[illegible] desirable programming. A pla[illegible]k unit at the subscriber location reproduces the program segments received from the host and includes mechanisms for interactively navigating among the program segments. A usage log is compiled to record the subscriber's use of the provided program materials, to return data to the host for billing, to adaptively modify the subscriber's preferences based on actual usage, and to send subscriber-generated comments and requests to the host for processing. Voice input and control mechanisms included in the player allow the user to perform hands-free navigation of the program materials and to dictate comments and messages which are returned to the host for retransmission to other subscribers. The program segments sent to each subscriber may include advertising materials which the user can selectively play to obtain credits against the subscriber fee. Parallel audio and text transcript files for at least selected programming enable subject matter searching and synchronization of the audio and text files. Speech synthesis may be used to convert transcript files into audio format. **Image** files may also be transmitted from the server for synchronized playback with the audio programming.

US PAT NO: 5,706,434 [IMAGE AVAILABLE] L7: 5 of 5

ABSTRACT:
A method and apparatus is provided to accomplish creation and serving of data objects among various communication protocols. The method and apparatus can be used in such applications as an on-line classified advertising system on the Internet involving the World Wide Web and electronic mail. In the apparatus, a request decoder receives an incoming request, decodes the request using configurations from a configuration database in order to identify which protocol was used to transmit the request, and generates from the request a corresponding abstract data object. A data processor merges data from a main database with the abstract data object. An object formatter formats the abstract data object including the merged data. An object deliverer formats the object for outgoing **transmission** according to a protocol of an intended recipient. The functions of object deliverer may be performed by the object formatter.

```
=> d hsi

'HSI' IS NOT A VALID FORMAT FOR FILE 'USPAT'
ENTER DISPLAY FORMAT (CIT):end


=> d his


     (FILE 'USPAT' ENTERED AT 15:03:43 ON 12 FEB 1999)
L1        495058 S DATA
L2         41788 S DATA (P) CONVERSION
L3           900 S L2 AND LINK AND DOCUMENT AND TRANSMISS?
L4           554 S L3 AND DESIGN
L5            12 S L4 AND VIDEO AND HTML
L6            11 S L5 AND IMAGE AND INFORMATION
L7             5 S L6 AND SUB (P) IMAGE

=> s l7 and category

          28231 CATEGORY
L8            5 L7 AND CATEGORY

=> s l8 and character (P) string

         175708 CHARACTER
          56991 STRING
```

```
          5298 CHARACTER (P) STRING
L9           0 L8 AND CHARACTER (P) STRING

=> s l4 and character (P) string

        175708 CHARACTER
         56991 STRING
          5298 CHARACTER (P) STRING
L10         91 L4 AND CHARACTER (P) STRING

=> s l10 and video (P) frames

         95728 VIDEO
         99497 FRAMES
          8348 VIDEO (P) FRAMES
L11          3 L10 AND VIDEO (P) FRAMES

=> d 1-3
```

1. 5,821,934, Oct. 13, 1998, Method and apparatus for providing stricter data type capabilities in a graphical data flow diagram; Jeffrey L. Kodosky, et al., 345/349, 348; 395/500 [IMAGE AVAILABLE]

2. 5,519,443, May 21, 1996, Method and apparatus for providing dual language captioning of a television program; Amnon M. Salomon, et al., 348/467, 461 [IMAGE AVAILABLE]

3. 5,321,750, Jun. 14, 1994, Restricted information distribution system apparatus and methods; Joseph S. Nadan, 380/20; 348/5.5, 476; 380/10 [IMAGE AVAILABLE]

```
=> s l10 and user and screen?

        286421 USER
        240983 SCREEN?
L12         68 L10 AND USER AND SCREEN?

=> s l12 and identifier

         16379 IDENTIFIER
L13         45 L12 AND IDENTIFIER

=> s l13 and piece?

        430360 PIECE?
L14         35 L13 AND PIECE?

=> s l14 and tags

          8950 TAGS
L15          2 L14 AND TAGS

=> d 1-2
```

1. 5,335,323, Aug. 2, 1994, Computer human interface with multiapplication display; Frank C. Kolnick, 345/340, 346, 356 [IMAGE AVAILABLE]

2. 4,570,217, Feb. 11, 1986, Man machine interface; Bruce S. Allen, et al., 364/188, 191, 921.4, 921.8, 921.9, 926, 926.9, 926.92, 927.3, 927.4, 928, 929.2, 929.3, 935, 935.2, 935.4, 935.41, 940.61, 940.62, 941, 949, 949.3, 959.1, 968, 969, 969.1, 977, DIG.2 [IMAGE AVAILABLE]

=> d ab 1-2

US PAT NO: 5,335,323 [IMAGE AVAILABLE] L15: 1 of 2

ABSTRACT:
In a computer human interface an abstract, device-independent "picture" is capable of containing multi-application information. A picture comprises a number of abstract picture elements which can be arbitrarily combined. A particular application attributes meaning to a particular organization of picture elements. No one application need be aware of the existence of any other, nor is it affected by any other, even though several applications may be sharing the same picture. A single, cohesive visual image, incorporating information from various applications, is presented on a suitable output device, such as a video display unit. Images representing portions of any or all of the applications can be displayed and updated on the output device simultaneously and independently of one another. **User** interface interface information, such as menus, icons, prompts, and help text, is also contained in the picture and may be displayed simultaneously with the application image(s).

US PAT NO: 4,570,217 [IMAGE AVAILABLE] L15: 2 of 2

ABSTRACT:
A man-machine interface for use with industrial processes is disclosed having the capability of **design** and configuration of the interrelationship of components forming an overall industrial process. The man-machine interface further provides operator use, including process monitoring and control, as well as alarm annunciation. Most **user** interaction with the man-machine interface is performed through a color CRT monitor having a touch panel on the surface of the CRT **screen**. Operator use may be limited to touch panel interaction while configurer and designer use normally further includes use of a keyboard. The man-machine interface utilizes distributed processing and incorporates a high level graphic language. The graphic language facilitates real time graphic display implementation through use of dynamic and static variables. Variable types are dynamically associated with variable values so that variables can undergo type changes without detrimental effect. Video bit bangers and shifters further enhance the versatility and ease of implementing rapid modifications of graphic displays. The man-machine interface further incorporates a new bus structure including a new bus arbitration technique, a unidirectional memory boundary protection mechanism, an improved interrupt system, and an improved watchdog timer circuit.

=> d his

```
     (FILE 'USPAT' ENTERED AT 15:03:43 ON 12 FEB 1999)
L1        495058 S DATA
L2         41788 S DATA (P) CONVERSION
L3           900 S L2 AND LINK AND DOCUMENT AND TRANSMISS?
L4           554 S L3 AND DESIGN
L5            12 S L4 AND VIDEO AND HTML
L6            11 S L5 AND IMAGE AND INFORMATION
L7             5 S L6 AND SUB (P) IMAGE
L8             5 S L7 AND CATEGORY
L9             0 S L8 AND CHARACTER (P) STRING
L10           91 S L4 AND CHARACTER (P) STRING
L11            3 S L10 AND VIDEO (P) FRAMES
L12           68 S L10 AND USER AND SCREEN?
L13           45 S L12 AND IDENTIFIER
L14           35 S L13 AND PIECE?
L15            2 S L14 AND TAGS
```